No. 8400018

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

CR Seeds

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'Coker 393'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 25th day of January in the year of our Lord one thousand nine hundred and eighty-five.

Attest:

Kenneth R. Evans
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

John R Block
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

FORM APPROVED: OMB NO.0581-0055

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1. NAME OF APPLICANT(S)
CR SEEDS MJS
~~Coker's Pedigreed Seed Co.~~

2. TEMPORARY DESIGNATION
9327-CR5-4270
~~4270~~ MJS 12/19/83

3. VARIETY NAME
Coker 393

4. ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*
P.O. Box 340 Hartsville, S.C. 29550

5. PHONE *(Include area code)*
803-332-8151

FOR OFFICIAL USE ONLY

PVPO NUMBER
8400018

6. GENUS AND SPECIES NAME
Glycine max

7. FAMILY NAME *(Botanical)*
Leguminosae

FILING
DATE 11/18/83
TIME 2:30 ☐ A.M. ☒ P.M.

8. KIND NAME
Soybean

9. DATE OF DETERMINATION
April 1983

FEES RECEIVED
AMOUNT FOR FILING
$ 1,000
DATE 11/18/83
AMOUNT FOR CERTIFICATE
$ 500.00
DATE 12/31/84

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION *(Corporation, partnership, association, etc.)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
South Carolina

12. DATE OF INCORPORATION
June 12, 1918

13. NAME AND ADDRESS OF APPLICANT REPRESENATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
Chris Tindus
Coker's Pedigreed Seed Co.
P.O. Box 1329
West Memphis, AR 72301

Mr. Josh Stanton, JR.
CR Seeds
P.O. Box 1867
Hartsville, SC 29550

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

a. ☒ Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*

b. ☒ Exhibit B, Novelty Statement

c. ☒ Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*

d. ☒ Exhibit D, Additional Description of the Variety

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act.)*
☒ Yes *(If "Yes," answer items 16 and 17 below)* ☐ No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☒ Yes ☐ No

17. IF "YES," TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☒ Foundation ☒ Registered ☒ Certified

18. DID THE APPLICANT(S) FILE FOR PROTECTION OF THE VARIETY IN THE U.S. OR OTHER COUNTRIES?
☐ Yes *(If "Yes," give names of countries and dates)*
☒ No

19. HAVE RIGHTS BEEN GRANTED IN THE U.S. OR OTHER COUNTRIES?
☐ Yes *(If "Yes," give names of countries and dates)*
☒ No

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT
✓ [signature], President
DATE November 7, 1983

SIGNATURE OF APPLICANT
DATE

FORM LMGS-470 (9-81) (Edition of 1-78 is obsolete)

8400018

EXHIBIT A: Origin and Breeding History of Variety

Coker 393 Soybean

1972	Cross made at Ames, Iowa. Williams x Essex
Fall 1972-1973	10 F_1 plants grown under lights at Del Ray, FL.
Spring 1973	F_2 bulk population grown at Del Ray, FL. Single pods picked from each plant to form F_3 bulk.
Summer 1973	F_3 bulk population grown at Ames, Iowa. Single pods picked from each plant to form F_4 bulk.
Summer 1974	F_4 bulk population grown at Ames, Iowa. Single plant selections made.
Fall 1974	F_5 rows grown at Del Ray, FL. Assigned breeding number C75-4270. Row harvested in bulk.
1975	C75-4270 placed in preliminary yield trials at Ames, Iowa and Oxford, In.
1976-1981	C75-4270 grown in advanced yield trials. No segregation or off-type plants observed. A small increase block was rogued to produce breeder seed.
1982	Seed of C75-4270 acquired by Coker's Pedigreed Seed Co. Foundation seed produced. Private and public agency yield testing.
1983	Further yield testing. Registered seed sold.

8400018

COKER'S PEDIGREED SEED CO.

A MEMBER OF THE KWS GROUP

P.O. BOX 1329
WEST MEMPHIS, AR 72301

PHONE: 501-732-5460

December 12, 1983

EXHIBIT A

Dr. Robert J. Snyder
Plant Variety Protection Office
National Agricultural Library Building
Beltsville, MD. 20705

Dear Dr. Snyder:

In reference to your letter dated December 7, 1983, the following corrections should be made to Soybean Application No. 8400018 "Coker 393":

1. Temporary designation should read Q327-C75-4270.

2. Seed shape should be "2. Spherical flattened."

Exhibit A should be amended as follows:

Variants: Observations of single plant selections and bulks of similar plant rows show Coker 393 to have gray hila. Environmental conditions will produce an occasional light gray or dark gray hilum. While these variants cannot be predicted with accuracy, their occurrence is sufficiently infrequent to be commerically acceptable.

Evidence of stability: After observing plants and seed for 3 generations since breeder seed composited, plant and seed characters have been uniform.

Sincerely,

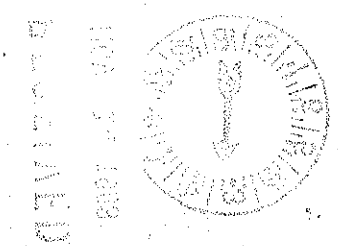
Chris Tinius
Soybean Breeder
Mid-South Research

CT/cc

EXHIBIT B: Novelty Statement Coker 393 Soybean

Coker 393 most resembles the cultivar Williams.

Coker 393 differs from Williams in flower color and plant height.
Coker 393 has purple flowers while Williams has white flowers.
Coker 393 averages 3 inches shorter than Williams in plant height.
Supporting documentation is included in Exhibit D.



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Soybean)

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (Glycine max L.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
Coker's Pedigreed Seed Co.	Q 327-C75-4270 ~~4270~~ RJS	Coker 393

ADDRESS *(Street and No., or R.F.D. No., City, State, and Zip Code)*

P.O. Box 340 Hartsville, S.C. 29550

FOR OFFICIAL USE ONLY

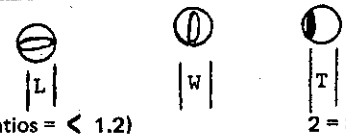
PVPO NUMBER

8400018

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., [0][9]).

1. SEED SHAPE:

[2] 2 RJS



1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

2. SEED COAT COLOR: (Mature Seed)

[1] 1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other *(Specify)* _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

[1] 1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17')

4. SEED SIZE: (Mature Seed)

[1][2] Grams per 100 seeds

5. HILUM COLOR: (Mature Seed)

[4] 1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other *(Specify)* _____

6. COTYLEDON COLOR: (Mature Seed)

[1] 1 = Yellow 2 = Green

7. SEED PROTEIN PEROXIDASE ACTIVITY:

[ ] 1 = Low 2 = High

8. SEED PROTEIN ELECTROPHORETIC BAND:

[ ] 1 = Type A ($SP1^a$) 2 = Type B ($SP1^b$)

9. HYPOCOTYL COLOR:

[3] 1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

10. LEAFLET SHAPE:

[3] 1 = Lanceolate 2 = Oval 3 = Ovate 4 = Other *(Specify)* _____

11. LEAFLET SIZE:

[2] 1 = Small ('Amsoy 71'; 'A5312') 2 = Medium ('Corsoy 79'; 'Gasoy 17')
3 = Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

[2] 1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton')
3 = Dark Green ('Gnome'; 'Tracy')

13. FLOWER COLOR:

[2] 1 = White 2 = Purple 3 = White with purple throat

14. POD COLOR:

[1] 1 = Tan 2 = Brown 3 = Black

15. PLANT PUBESCENCE COLOR:

[2] 1 = Gray 2 = Brown (Tawny)

16. PLANT TYPES:

[2] 1 = Slender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton')
3 = Bushy ('Gnome'; 'Govan')

17. PLANT HABIT:

[3] 1 = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will')
3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

18. MATURITY GROUP:

[0][6] 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 7 = IV 8 = V
9 = VI 10 = VII 11 = VIII 12 = IX 13 = X

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

[0] Bacterial Pustule *(Xanthomonas phaseoli* var. *sojensis)*

[0] Bacterial Blight *(Pseudomonas glycinea)*

[0] Wildfire *(Pseudomonas tabaci)*

FUNGAL DISEASES:

[0] Brown Spot *(Septoria glycines)*

Frogeye Leaf Spot *(Cercospora sojina)*

[0] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Race 5 [0] Other *(Specify)* _____

[0] Target Spot *(Corynespora cassiicola)*

[0] Downy Mildew *(Peronospora trifoliorum* var. *manshurica)*

[0] Powdery Mildew *(Microsphaera diffusa)*

[0] Brown Stem Rot *(Cephalosporium gregatum)*

[0] Stem Canker *(Diaporthe phaseolorum* var. *caulivora)*

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

[0] Pod and Stem Blight *(Diaporthe phaseolorum* var; *sojae)*

[0] Purple Seed Stain *(Cercospora kikuchii)*

[0] Rhizoctonia Root Rot *(Rhizoctonia solani)*

Phytophthora Rot *(Phytophthora megasperma* var. *sojae)*

[1] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Race 5 [0] Race 6 [0] Race 7

[0] Race 8 [0] Race 9 [0] Other *(Specify)* _____

VIRAL DISEASES:

[0] Bud Blight (Tobacco Ringspot Virus)

[0] Yellow Mosaic (Bean Yellow Mosaic Virus)

[0] Cowpea Mosaic (Cowpea Chlorotic Virus)

[0] Pod Mottle (Bean Pod Mottle Virus)

[0] Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

Soybean Cyst Nematode *(Heterodera glycines)*

[0] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Other *(Specify)* _____

[0] Lance Nematode *(Hoplolaimus Colombus)*

[0] Southern Root Knot Nematode *(Meloidogyne incognita)*

[0] Northern Root Knot Nematode *(Meloidogyne Hapla)*

[0] Peanut Root Knot Nematode *(Meloidogyne arenaria)*

[0] Reniform Nematode *(Rotylenchulus reniformis)*

[0] OTHER DISEASE NOT ON FORM *(Specify):* _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] Iron Chlorosis on Calcareous Soil

[ ] Other *(Specify)* _____

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] Mexican Bean Beetle *(Epilachna varivestis)*

[0] Potato Leaf Hopper *(Empoasca fabae)*

[0] Other *(Specify)* _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	Williams	Seed Coat Luster	Essex
Leaf Shape	Williams	Seed Size	Essex
Leaf Color	Williams	Seed Shape	Essex
Leaf Size	Williams	Seedling Pigmentation	Essex

7

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/ POD
				CM Width	CM Length	% Protein	% Oil		
Submitted Coker 393			100						
Name of Similar Variety Williams			110						

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A_2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

8400018.

COKER'S PEDIGREED SEED CO.

A MEMBER OF THE KWS GROUP

P.O. BOX 1329
WEST MEMPHIS, AR 72301

PHONE: 501-732-5460

EXHIBIT C

RJS

January 30, 1984

Dr. Robert J. Snyder
Plant Variety Protection Office
National Agricultural Library Building
Beltsville, MD 20705

Dear Dr. Snyder:

Please include the following as an addendum to exhibit C of PVP application 8400018 "Coker 393":

"Coker 393 soybeans have been determined to have genetically black hila. However, the expression of genes controlling hilum color in Coker 393 is such that Coker 393 will appear to have gray hila. Uniformity of expression of this character suggests that Coker 393 should be described as having genetically black, but phenotypically gray hila. Penetrance of the black genotype will occasionally be increased due to environmental conditions, but at frequencies that are commercially acceptable."

Sincerely,

Chris Tinius
Soybean Breeder
Mid-South Research

CT/cc

EXHIBIT D: Additional Description of Variety   Coker 393 Soybean

Height (in.) recorded for Coker 393 and Williams in yield tests from 1978 to 1981

1978

	Ames, IA	Oxford, IN	Le Roy, IL	Griswold, IA	Avg
Williams	43.5	39.3	40.3	52.0	43.3
Coker 393	42.5	35.8	35.0	38.0	38.0
LSD	1.8	2.0	2.3	4.8	

1979

	Ames, IA	Oxford, IN	Eaton, OH	Evansville, IN	Merna, IL	Avg
Williams	44.0	43.8	40.5	43.0	48.3	43.9
Coker 393	41.0	40.5	38.3	41.8	43.5	41.0
LSD	4.4	1.6	3.5	2.7	2.6	

1980

	Merna, IL	Eaton, OH	Avg
Williams	46.7	35.0	40.9
Coker 393	40.0	31.7	35.9
LSD	1.8	2.0	

1981

	Oxford, IN
Williams	45.2
Coker 393	41.7
LSD	2.6

EXHIBIT D: Additonal Description of Variety Coker 393 Soybeans

Analyses performed at the Federal Seed Laboratory in Beltsville, Md. indicate that Coker 393 has the following characteristics:

Seed Coat Peroxidase activity: 94%+, 6%-

Seed Urease: Fast Band

8400018

COKER'S PEDIGREED SEED COMPANY

DAVID R. COKER (1870-1938) FOUNDER

COKER'S PEDIGREED SEED BLOOD REGISTERED

THE GUARANTEE OF QUALITY

HARTSVILLE, S.C.
U. S. A.

ZIP CODE: 29550
P. O. BOX 340
PHONE: AREA 803 NO. 332-8151
CABLE: CPSCO
TELEX 573-343

May 19, 1982

Mr. James D. Fetrow
General Manager
Agronomic Division
Asgrow Seed Company
Kalamazoo, Michigan 49001

Dear Mr. Fetrow:

Enclosed you will find the signed agreement of Transfer of Ownership and Royalty for the two soybean varieties, Q327-4270 and XP5878.

Q327-C75-4270 BJS 12/19/83

These two varieties are currently in production. They will be marketed by the following names: 1) ~~Q327-4270~~ will be sold as Coker 393 and 2) XP5878 will be sold as Coker 355.

Please provide us the documentation required to apply for plant variety protection on these two varieties.

We are sure these varieties will fill an important need in our soybean lineup.

Thank you.

Sincerely,

COKER'S PEDIGREED SEED COMPANY

Darrel Grabow
Vice President Marketing

DG:jc

Enclosure

cc: J. Dahmer
J. Stanton ✓
M. Buechting
D. Weaver

KWS

8400018

SOYBEAN VARIETIES TESTED AS Q327-4270 AND XP5878

TRANSFER OF OWNERSHIP

AND

ROYALTY AGREEMENT

Under the terms and conditions outlined herein, Asgrow Seed Company (Asgrow) transfers to Coker Pedigreed Seed Company, P. O. Box 340, Hartsville, S.C. (COKER) two soybean varieties bred by "Asgrow" and tested as Asgrow Q327-4270 and XP5878. The terms of transfer and royalty agreement as follows:

I. Conveyance: Asgrow Seed Company does hereby convey to Coker free from encumbrances all its rights as breeder of the soybean varieties identified as Asgrow ~~Q327-4270~~ Q327-C75-4270 R/S 12/19/83 and XP5878, including all rights of ownership and the right to apply for a certificate of Plant Variety Protection for the variety.

II. Responsibility: Coker will name, promote, and market the variety under their own proprietory label with no reference to Asgrow as the originator. Coker shall apply for and bear the expenses involved in making application for Plant Variety Protection with Asgrow preparing the documentation at no charge. Coker will notify Asgrow as to the variety name selected for each variety.

III. Variety Maintenance: These varieties will be maintained by Coker with Asgrow selling to them their total stock of breeders seed of the varieties at an agreed upon price ($25.00/50 lb. bag). Cost of delivery from Asgrow location to a designated location of Coker's shall be for the account of Coker. It is clearly understood and agreed that Asgrow in no way shall be liable for a crop failure or any problems related to seed quality in the production of subsequent generations by Coker.

IV. Distribution Policy: Under the terms of this agreement there is no limitation on sales territory or on the number of competing varieties offered by either party. Asgrow will continue to offer proprietory soybean seed under the Asgrow label throughout their sales territory.

V. Production and Sales Reporting: At the end of each harvest season or no later than January 15, Coker shall furnish Asgrow an accounting of the number of bushels of the various generation or certification classes of Asgrow XP5878 and ~~Q327-4270~~ Q327-C75-4270 RJS 12/14/83 available for conditioning and available for sale. By July 15 of each year, Coker shall report to Asgrow the number of bushels sold for seed purposes. With this information Asgrow will invoice Coker according to the royalty agreement in section VI. In the case of blends, the royalties payable to Asgrow shall be computed and based upon the percentage of Q327-4270 or XP5878 in such blends that Coker selects to market.

VI. Royalty Agreement: Coker shall pay to Asgrow a royalty for each bushel of seed sold, regardless of classification, of the variety produced by Coker and its licensees. It is understood that royalties shall be based on seed sold for planting purposes only and is not to be confused with sales of cull or excess production that is sold for oil milling or other feed or food purposes. In the event Coker elects not to apply for protection under the certification option of the Plant Variety Protection Act, royalties shall be paid on all seed sales regardless of classification. The royalty per bushel of seed sales shall be calculated at 5% of the closing January futures price per bushel of soybeans on the first market day in November as established on the Chicago Board of Trade and reported in The Wall Street Journal. Royalties are payable within 30 days after invoicing.

VII. Assistance: Asgrow shall offer Coker the full support and cooperation of their Soybean Breeding & Research Department in testing and developing new and better varieties and helping to evaluate Coker test plantings in comparing competitive varieties. New or replacement varieties shall be included in this program by mutual agreement and under a separate contract.

VIII. Termination of Contract: It is agreed that the marketing rights for these soybean varieties cannot be transferred by Coker to another company or individual without the approval of Asgrow. Transfer is not to be confused with licensing as mentioned in paragraph VI above. It is further agreed that this contract shall remain in force for the life of the variety and will automatically terminate when Coker discontinues the sale of the variety.

IX. Effective Date: This agreement shall become effective upon its execution between Asgrow and Coker.

WITNESS the hands and seals of the parties this 19th day of May, 1982.

WITNESS

Jane Crowley

Mary Cooley

Coker Pedigreed Seed Company

by: [signature]

WITNESS

Marilyn A. Meyers

ASGROW SEED COMPANY

by: [signature]

State of New York
County of New York ss:

8400018

TRANSFER OF APPLICATIONS FOR

PLANT VARIETY PROTECTION

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following applications for Plant Variety Protection:

Wheat Varieties

Variety Name	Application No.	Date of Filing
Coker 916	830036	January 11, 1983
Coker 983	Application Mailed to PVP Office on	February 17, 1984

Oat Varieties

Variety Name	Application No.	Date of Filing
Coker 820	Application Mailed to PVP Office on	February 24, 1984

Soybean Varieties

Variety Name	Application No.	Date of Filing
Coker 393	8400018	November 18, 1983
Coker 355	8400019	November 18, 1983

COKER'S PEDIGREED SEED CO.

By: E. Joe Dahmer
E. Joe Dahmer, President

Date: Feb. 29, 1984

Sworn and subscribed to before me
this 29th day of February, 1984.

Ruth Silber
Notary Public ~~for South Carolina~~

~~(My commission expires March 20, 1990.)~~

RUTH SILBER
NOTARY PUBLIC, State of N.Y.
No. 31-8994050
Qualified in New York County
Commission Expires March 30, 1984